

**WHAT IS CLAIMED IS:**

1. A control system for communication robot for supporting input of interactive actions to be performed by a communication robot, comprising:
  - a storage means for storing information on a plurality of behaviors including reflex behaviors to be performed in response to behavior of a person and spontaneous behaviors to be performed in a spontaneous manner;
  - a display means for displaying a list of said plurality of behaviors in a user-selectable manner based on said information stored in said storage means;
  - a behavior decision means for deciding a behavior to be performed by said communication robot from said list of behaviors displayed by said display means according to a user's operation; and
  - a generation means for generating reproductive motion information for interactive actions to be performed by said communication robot, based on a history of the behavior decided by said behavior decision means.
- 15 2. A control system for communication robot as set forth in claim 1, wherein said display means further displays a list of a plurality of emotional expressions in a user-selectable manner;
  - 1 said behavior decision means further decides an emotional expression which is to be added to the behavior to be performed by said communication robot, from said list of emotional expressions according to the user's operation; and
  - 20 said generation means generates said reproductive motion information based on the history of the behavior and emotional expression decided by said behavior decision means.
- 25 3. A control system for communication robot as set forth in claim 2, wherein said behavior decision means further includes a determination means for determining whether

or not the emotional expression selected by the user is appropriate to the selected behavior, and does not permit said emotional expression to be added to said behavior if said determination means determines that said emotional expression is not appropriate to said behavior.

5       4. A control system for communication robot as set forth in any one of claims 1 to 3, further comprising a transmission means for, when said behavior decision means has decided the behavior to be performed by said communication robot, transmitting an execution instruction for said behavior to said communication robot.

10      5. A control system for communication robot as set forth in any one of claims 1 to 4, wherein said display means displays said list of behaviors classified by region of said communication robot.

15      6. A control system for communication robot as set forth in any one of claims 1 to 5, wherein when the behavior is selected from said list of behaviors by the user's operation, said display means displays an image of an appearance of said communication robot performing said behavior.

20      7. An action input support program for supporting input of interactive actions to be performed by a communication robot, on a control system for communication robot comprising a storage means for storing information on a plurality of behaviors including reflex behaviors to be performed in response to behavior of a person and spontaneous behaviors to be performed in a spontaneous manner by said communication robot, causing a processor of said control system for communication robot to execute:

          a display step of displaying a list of said plurality of behaviors in a user-selectable manner based on said information stored in said storage means;

25      a behavior decision step of deciding a behavior to be performed by said communication robot from said list of behaviors displayed by said display step according

to a user's operation; and

a generation step of generating reproductive motion information for interactive actions to be performed by said communication robot, based on a history of the behavior decided by said behavior decision step.

5 8. An action input support program as set forth in claim 7, wherein said display step further displays a list of a plurality of emotional expressions in a user-selectable manner;

said behavior decision step further decides an emotional expression which is to be added to the behavior to be performed by said communication robot, from said list of 10 emotional expressions according to a user's operation; and

said generation step generates said reproductive motion information based on the history of the behavior and emotional expression decided by said behavior decision step.

9. An action input support program as set forth in claim 8, wherein said behavior decision step further includes a determination step of determining whether or not the 15 emotional expression selected by the user is appropriate to the selected behavior, and does not permit said emotional expression to be added to said behavior if said determination step determines that said emotional expression is not appropriate to said behavior.

10. A storage medium storing a program for supporting input of interactive actions 20 to be performed by a communication robot, on a control system for communication robot comprising a storage means for storing information on a plurality of behaviors including reflex behaviors to be performed in response to behavior of a person and spontaneous behaviors to be performed in a spontaneous manner by said communication robot, wherein

25 said program causes a processor of said control system for communication robot

to execute:

a display step of displaying a list of said plurality of behaviors in a user-selectable manner based on said information stored in said storage means;

5 a behavior decision step of deciding a behavior to be performed by said communication robot from said list of behaviors displayed by said display step according to a user's operation; and

a generation step of generating reproductive motion information for interactive actions to be performed by said communication robot, based on a history of the behavior decided by said behavior decision step.

10 11. A storage medium storing a program as set forth in claim 10, wherein said display step further displays a list of a plurality of emotional expressions in a user-selectable manner;

15 said behavior decision step further decides an emotional expression which is to be added to the behavior to be performed by said communication robot, from said list of emotional expressions according to the user's operation;

said generation step generates said reproductive motion information based on the history of the behavior and emotional expression decided by said behavior decision step.

12. A storage medium storing a program as set forth in claim 11, wherein said behavior decision step further includes a determination step of determining whether or not the emotional expression selected by the user is appropriate to the selected behavior, and does not permit said emotional expression to be added to said behavior if said determination step determines that the emotional expression is not appropriate to the behavior.

20 25 13. An action input support method for supporting input of interactive actions to be performed by a communication robot, on a control system for communication robot

comprising a storage means for storing information on a plurality of behaviors including reflex behaviors to be performed in response to behavior of a person and spontaneous behaviors to be performed in a spontaneous manner by said communication robot, including:

5 a display step of displaying a list of said plurality of behaviors in a user-selectable manner based on said information stored in said storage means;

a behavior decision step of deciding a behavior to be performed by said communication robot from said list of behaviors displayed by said display step according to a user's operation; and

10 a generation step of generating reproductive motion information for interactive actions to be performed by said communication robot, based on a history of the behavior decided by said behavior decision step.

14. An action input support method as set forth in claim 13, wherein said display step further displays a list of a plurality of emotional expressions in a 15 user-selectable manner;

said action decision step further decides an emotional expression which is to be added to the behavior to be performed by said communication robot, from said list of emotional expressions according to the user's operation; and

20 said generation step generates said reproductive motion information based on the history of the behavior and emotional expression decided by said behavior decision step.

15. An action input support method as set forth in claim 14, wherein said behavior decision step further includes a determination step of determining whether or not the emotional expression selected by the user is appropriate to the selected behavior, and does not permit said emotional expression to be added to said behavior if said 25 determination step determines that said emotional expression is not appropriate to said

behavior.